



# **Oil and Gas Recovery – NCDOT's Perspective**

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# What Governs OGR Activities?

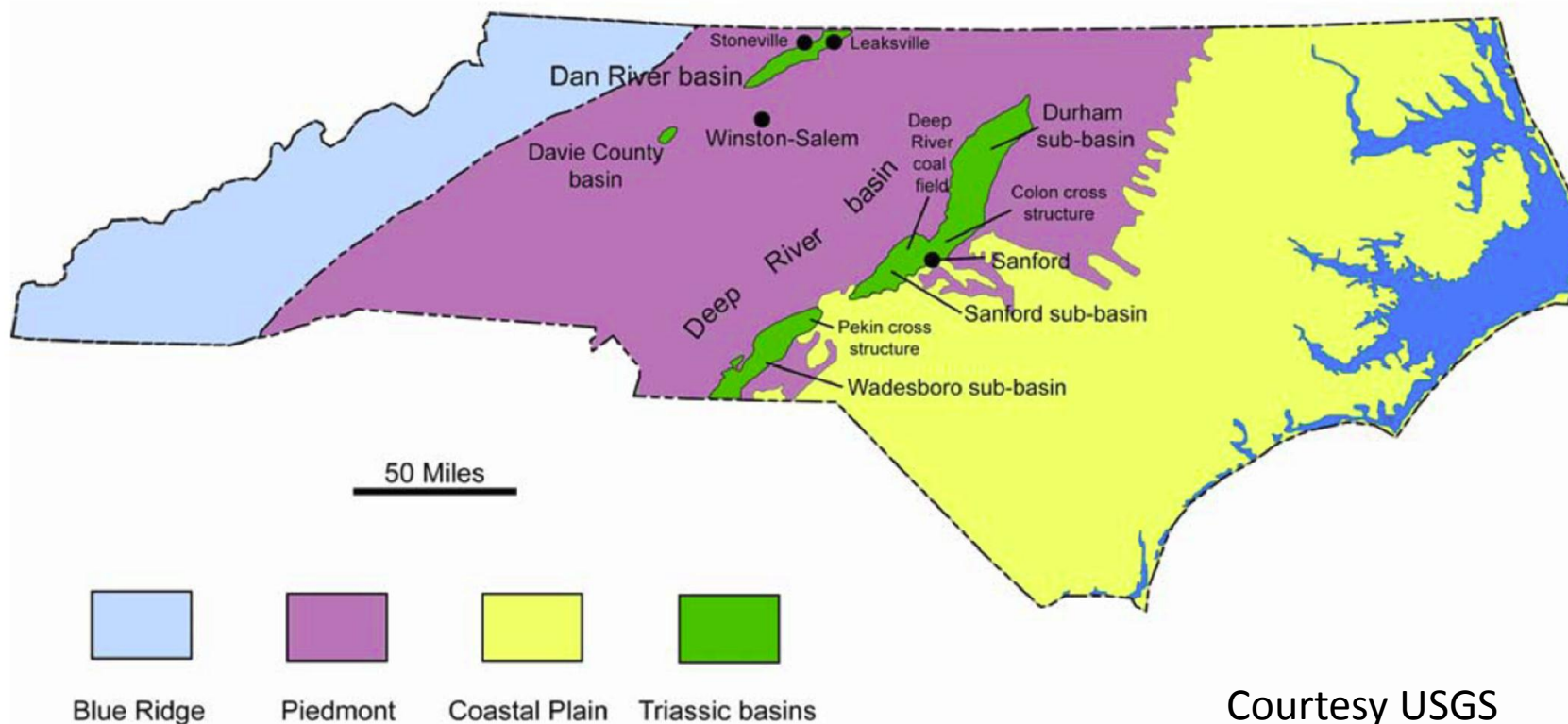
## SL 2012-143 and SL 2013-365

- Requires study of developing comprehensive environmental permit
- Requires study of developing funding recommendations (permit fee, impact fee and severance tax)
- DENR may begin issuing permits – March 2015

# NCDOT Goals

- Maintain Safe Transportation Network
- Protect Infrastructure
- Recover Costs
- Consistent Administration of Program

# Potential Area Affected

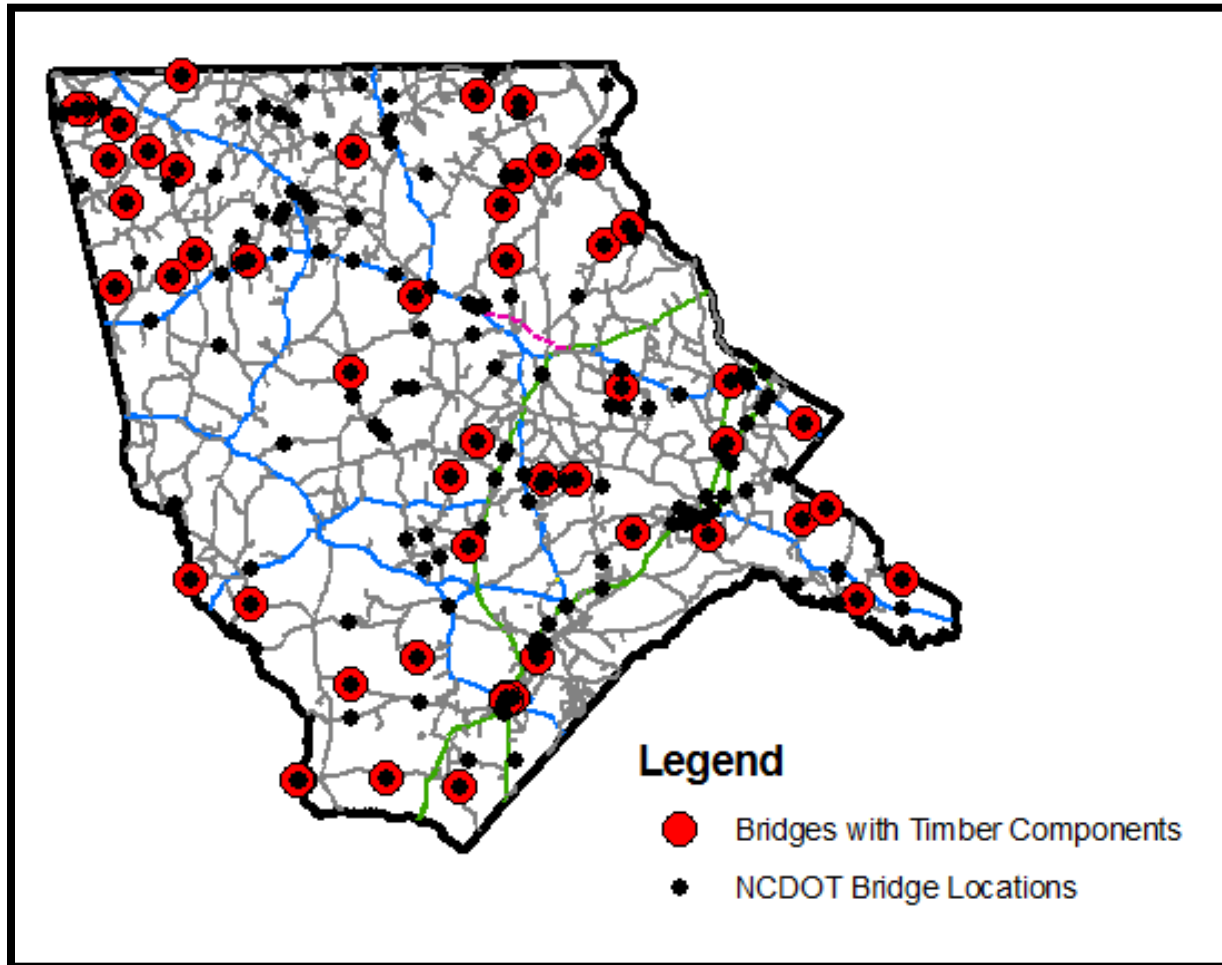


Courtesy USGS

# Transportation Impacts

- Roads
- Bridges
- Safety
- Trucking
- Manpower

# Moore County Example



# Construction Sequence

- Pad Development (4-6 weeks)  
Involves 3-5 acres, 6-8 wells per pad  
300-400 truckloads
- Drilling Operation (4-5 weeks)  
150-200 truckloads
- **Hydraulic Fracturing (1-4 weeks)**  
**10,000-15,000 truckloads**
- Reclaiming Site (4-6 weeks)

# NCDOT Preparations

- Subcommittee established May 2012
- Developed Performance Based Methodology
- Participated in Mining and Energy Commission Study Groups
- Proposed Road Use Agreement as part of DENR comprehensive permit process

# NCDOT Current Activities

- Developing Road Use Agreement
- Considering additional Administrative Code
- Developing strategies to avoid significant Infrastructure Damage

# NCDOT Road Use Agreement

- Site location with driveway detail
- Haul route plan
- Identify any current haul route deficiencies
- Identify performance standards and maintenance plan (QA/QC)
- Determine appropriate bond amount

# NCDOT Goals

- Maintain Safe Transportation Network
- Protect Infrastructure
- Recover Costs
- Consistent Administration of Program
- Continue to work in concert with other NC Agencies

# Questions?